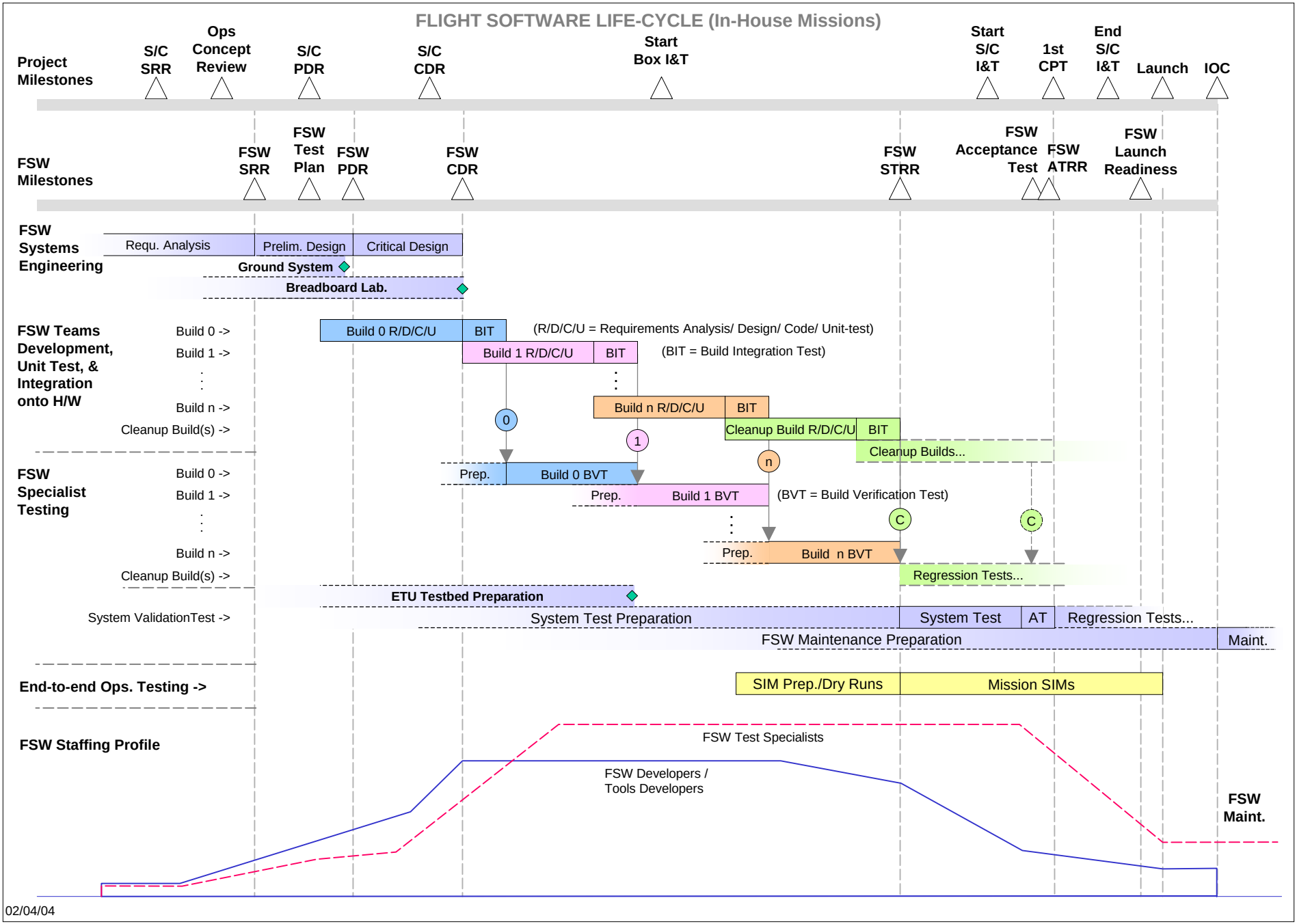
FLIGHT SOFTWARE LIFE-CYCLE (In-House Missions)
Project Milestones
S/C SRR
Ops Concept Review
S/C PDR
S/C CDR
Start Box I&T
Start S/C I&T
1st CPT
End S/C I&T
Launch
IOC
FSW Milestones
FSW SRR
FSW Test Plan
FSW PDR
FSW CDR
FSW STRR
FSW Acceptance Test
FSW ATRR
FSW Launch Readiness
FSW Systems Engineering
Requ. Analysis
Prelim. Design
Critical Design
Ground System
Breadboard Lab.
FSW Teams Development, Unit Test, & Integration onto H/W
Build 0 ->
Build 1 ->
Build n ->
Cleanup Build(s) ->
Build 0 R/D/C/U
BIT
(R/D/C/U = Requirements Analysis/ Design/ Code/ Unit-test)
Build 1 R/D/C/U
BIT
(BIT = Build Integration Test)
Build n R/D/C/U
BIT
Cleanup Build R/D/C/U
BIT
Cleanup Builds...
0
1
n
FSW Specialist Testing
Build 0 ->
Build 1 ->
Build n ->
Cleanup Build(s) ->
Prep.
Build 0 BVT
Prep.
Build 1 BVT
(BVT = Build Verification Test)
C
C
Prep.
Build n BVT
Regression Tests...
ETU Testbed Preparation
System ValidationTest ->
System Test Preparation
System Test
AT
Regression Tests...
FSW Maintenance Preparation
Maint.
End-to-end Ops. Testing ->
SIM Prep./Dry Runs
Mission SIMs
FSW Staffing Profile
FSW Test Specialists
FSW Developers / Tools Developers
FSW Maint.

02/04/04

Life-Cycle Notes

- **(TBS)**